

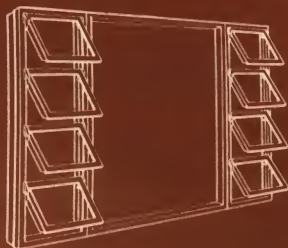
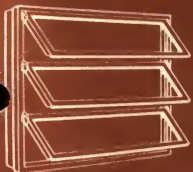
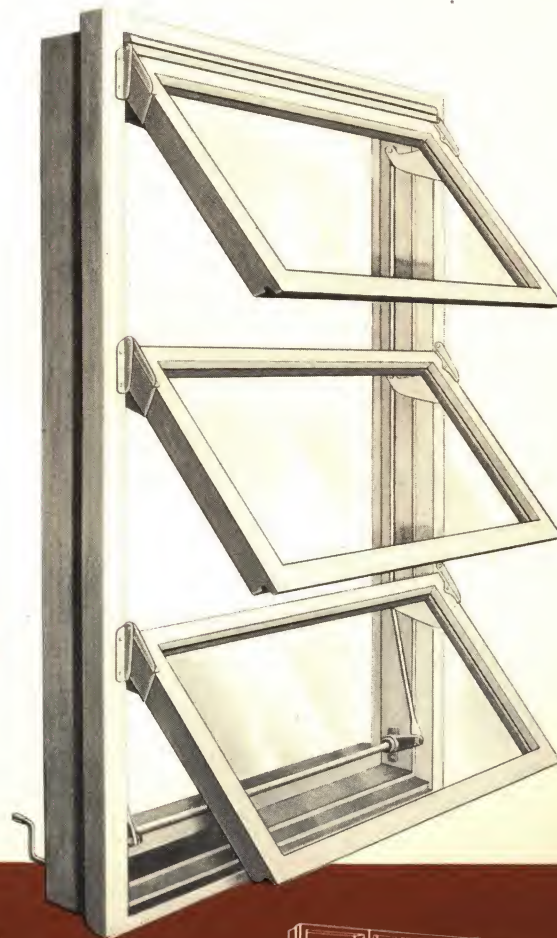
For Gate City ALUMINUM Awning
Windows see Sweet's $\frac{5a}{Ga}$



Gate City

Perma-Treated WOOD AWNING WINDOWS

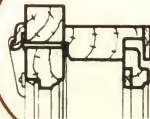
PERFORMANCE PROVEN in all types
of structures in every climate



Feature for feature, Gate City is OUTSTANDING!

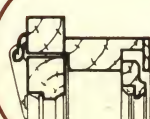
INSIDE SCREENS

wired with Fiberglass, are easily removed by simply lifting up and out.



STORM SASH

are interchangeable with screens for quick, easy winterizing. All storm sash have adjustable vent. **INSULATED GLASS:** Sash are available with rabbeting for insulated glass.



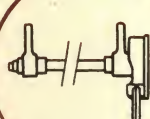
ENCLOSED GEAR OPERATOR

is standard on all units. When the window has been installed and painted, the hardware is barely visible yet easily accessible for checking and oiling.



DUAL ACTION HARDWARE

pulls sash in evenly and snugly at both sides. Simple, sturdy construction assures years of trouble-free service; exceptionally tight closure.



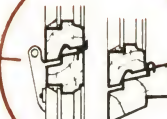
FIXED HINGE OPERATION

prevents back splash over top vent while slanted sash deflect rain.



METAL HORIZONTAL WEATHERSTRIPPING

at sill and meeting rails is plowed-in (not nailed) to provide a continuous seal.



VINYL JAMB WEATHERSTRIPPING

on head and side jambs provides tightest possible seal with lasting resiliency.



★ **PERMA-TREATED WOOD** provides protection against rot, fungi and termites; will not drip-stain exterior walls.

★ The natural insulating ability of wood is far superior to that of any other framing material ...a most important factor in reducing heat loss, cold transmittal and condensation. Wood is actually the only framing material that fully justifies the extra cost of insulated glass.

Gate City Wood Awning Windows are manufactured in sizes to fit any normal opening, and are easily installed in all types of construction. They combine beautifully with picture windows, and form the ideal window wall and ribbon installation; harmonizing with all styles of architecture. The most satisfying results in effecting color harmony or trim contrast can be obtained with painted wood sash.

For maximum summer comfort, Gate City Awning Windows open wide to admit every breeze and provide 100% ventilation control, rain or shine.

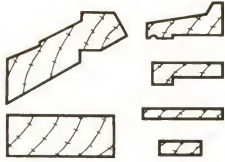
For maximum cold weather protection, Gate City combines efficient weatherstripping, tight positive closure and the extra insulation of wood sash.



**YOU CAN SPECIFY
GATE CITY WITH
CONFIDENCE!**

With forty years' experience as window craftsmen, Gate City pioneered the development of the awning type window. Now, recognized as the standard of the industry, Gate City Wood Awning Windows have been performance-proven for more than a decade in all types of structures, under every climatic condition.

MATERIAL FOR SPECIFIC CONDITIONS



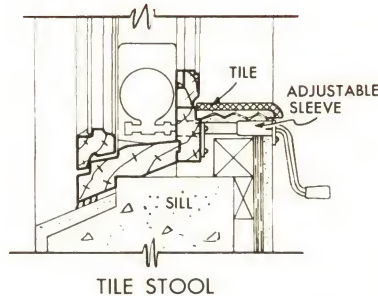
**MULTI-UNIT
ASSEMBLY MATERIAL**

Sub-sills, Drip Caps and Mullion Casings are available for forming MULTIPLE UNITS with continuous head and sill pieces when required.

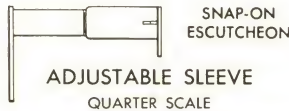


EXTENSION JAMBS

Factory milled EXTENSION JAMBS are available to accommodate various wall thicknesses and inside treatments.

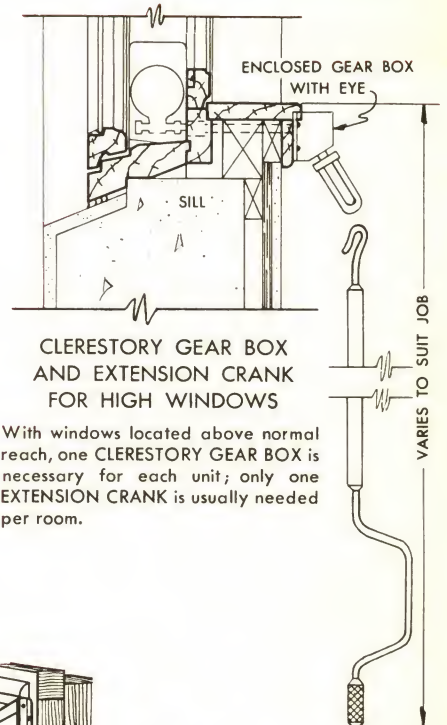


TILE STOOL



ADJUSTABLE SLEEVE
QUARTER SCALE

The ADJUSTABLE EXTENSION SLEEVE (with snap-on escutcheon) should be specified in all cases where tile or masonry stools are to be used.



**CLERESTORY GEAR BOX
AND EXTENSION CRANK
FOR HIGH WINDOWS**

With windows located above normal reach, one CLERESTORY GEAR BOX is necessary for each unit; only one EXTENSION CRANK is usually needed per room.

VARIABLE TO SUIT JOB

MAINTENANCE HINGE

The MAINTENANCE HINGE, available at slight extra cost, permits top sash to drop down for easier cleaning, yet operates on the same fixed principal as the regular hinge.

SASH IN OPERATING
POSITION

SASH DROPPED DOWN
IN CLEANING POSITION

SPECIFICATIONS FOR A STANDARD GATE CITY WOOD AWNING UNIT

WINDOW -

SASH and FRAMES shall be any wood suitable for exterior use*. All wood parts shall be deep Toxic-Treated for resistance to rot, fungi and termites; certified to be in accordance with or exceeding minimum requirements of A.W.W.I. and N.W.M.A.

STOOL & APRON shall be of any wood* suitable for paint, furnished in cut lengths KD.

SASH shall be 1 $\frac{3}{4}$ " nominal thick; glazed SSB, except 40" and 44" which shall be DSB. All bedded and glazed with a high grade glazing compound.

SCREENS shall be 1" net in thickness of any suitable wood* semi-prefit, and wired with Fiberglass.

WEATHERSTRIPPING: All units shall have Vinyl Weatherstripping installed on head and side jambs and Metal horizontal weatherstripping installed at sills and meeting rails. The completely factory weather-stripped window will meet air infiltration requirements of the A.W.W.I.

ALL UNITS shall be factory assembled with glazed sash, hardware and complete weatherstripping installed.

NO WOOD BUCKS or other trim shall be included unless specifically ordered.

*Manufacturer's Option.

HARDWARE -

All vents shall be hinged at the top to swing out; having combination hinge and sash arms installed in the side at top. The vents shall be connected to each other from top to bottom by means of exposed links attached to the sash arms on both sides of window. The bottom links shall be attached to the lifting arms of the operator shaft located at the sill on each side of the opening.

The operator shall consist of a completely enclosed worm and gear mounted on either jamb (right hand mounting is standard, see detail) with a horizontal shaft attached, extending the width of the opening and seated in a bushing in the jamb opposite the worm and gear, and having two lifting arms attached; one at each end of the shaft. The operating crank shall have a hexagon shaft that fits into a hexagon socket in the worm.

COMBINATION HINGE and SASH ARMS shall be made of cast aluminum and anodized, with stainless steel pins. Nylon washers shall separate leaves.

VERTICAL LINKS shall be aluminum. Link pins shall be grooved to receive spring clips for connecting vertical links to sash arms and to the lifting arms of the operator shaft.

OPERATOR SHAFT, END BRACKET, LIFTING ARMS and GEAR HOUSING shall be anodized aluminum. The completely enclosed WORM and GEAR shall be made of a hard alloyed steel.

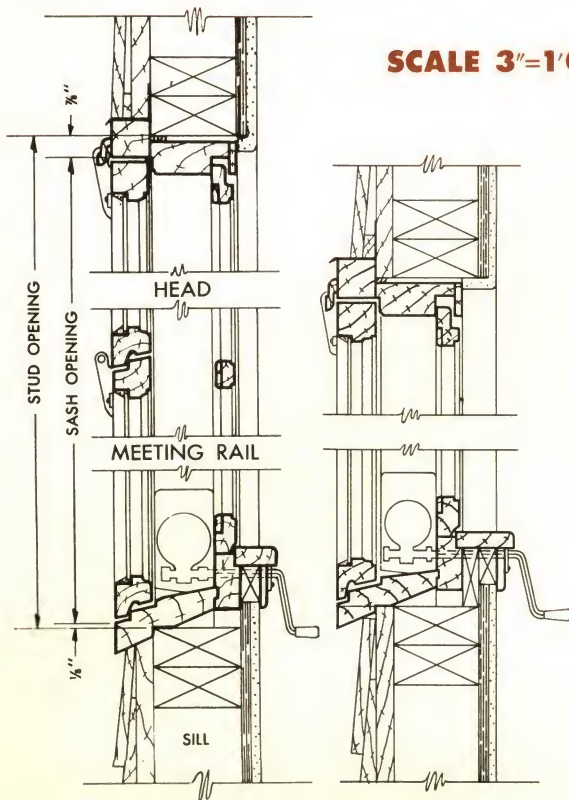
CRANK and ESCUTCHEON shall be anodized aluminum.

Details and specifications subject to change without notice.

AIR INFILTRATION TEST REPORT, by a recognized testing laboratory, will be promptly furnished upon request.

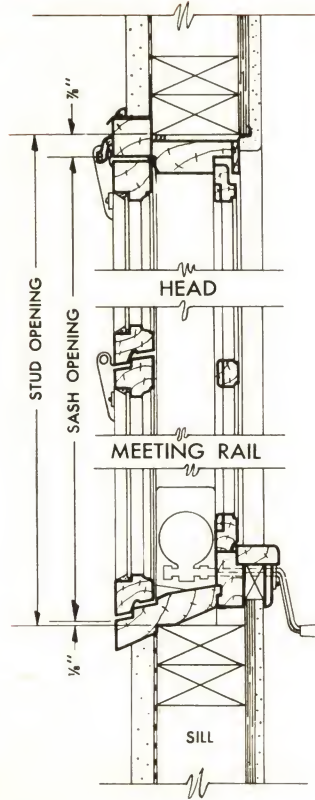
INSTALLATION DETAILS—Standard Operating Unit

SCALE 3"=1'0"

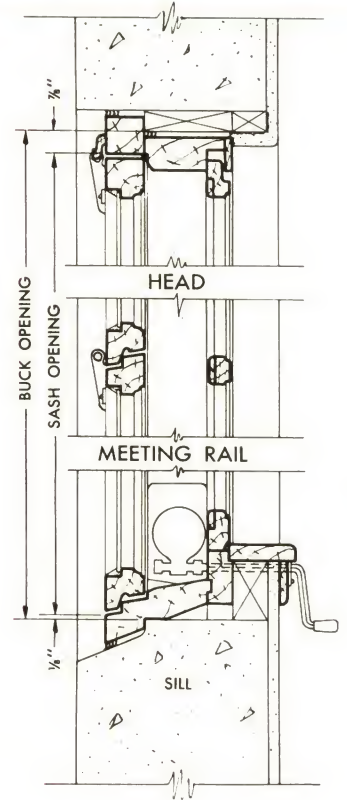


FRAME

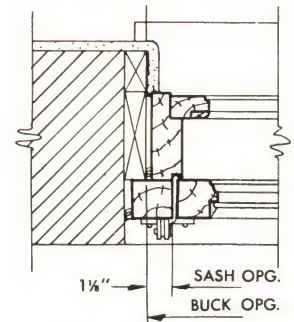
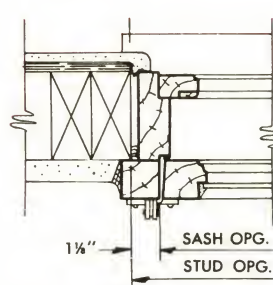
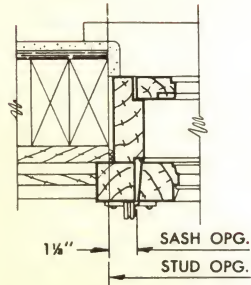
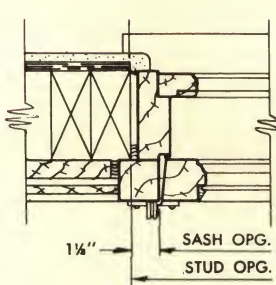
ALTERNATE FRAME CONSTRUCTION



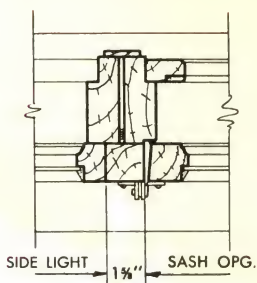
FRAME STUCCO



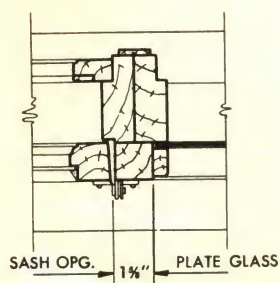
EXPOSED 8" BLOCK



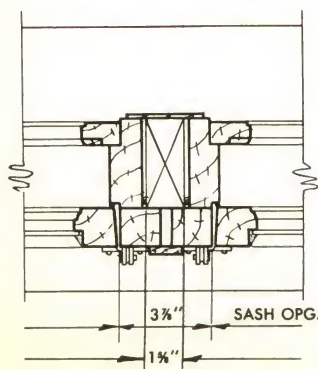
MULLION SECTIONS



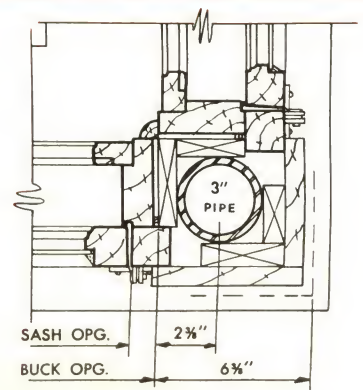
MULLION BETWEEN SIDE LIGHTS AND OPERATING UNIT



MULLION BETWEEN PLATE GLASS FRAME AND OPERATING UNIT

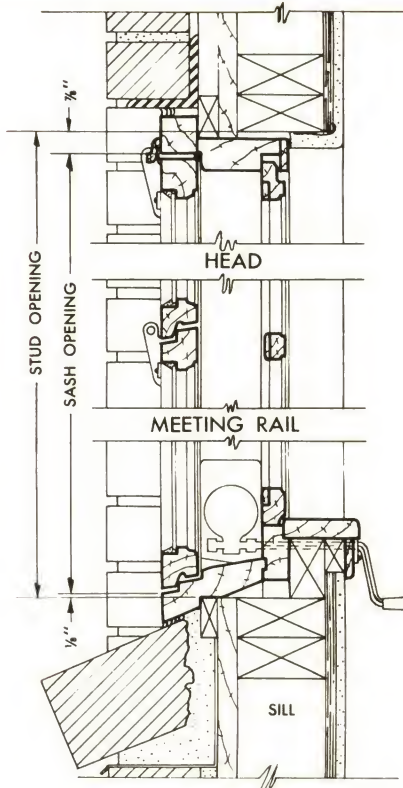


MULLION BETWEEN OPERATING UNITS

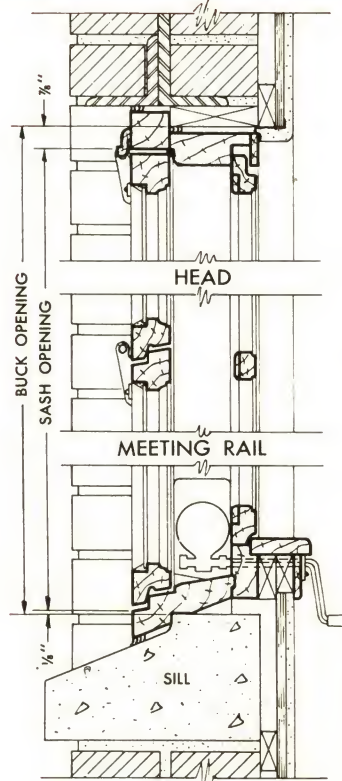


CORNER MULLION

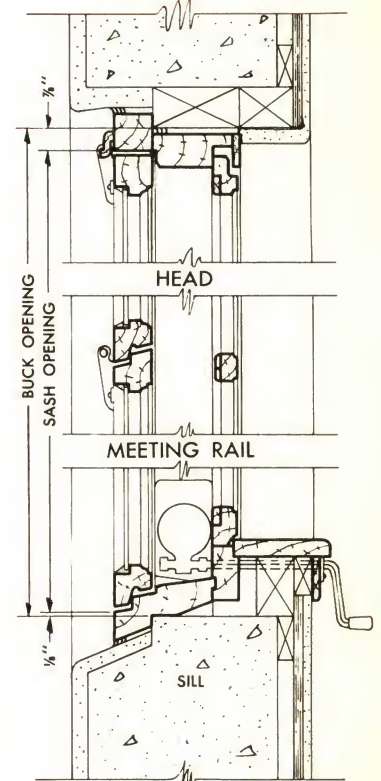
INSTALLATION DETAILS—Standard Operating Unit



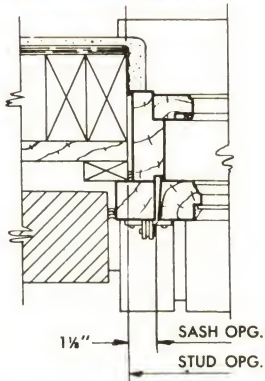
BRICK VENEER



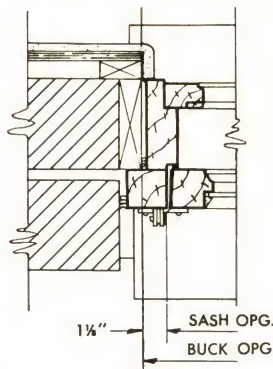
8" BRICK



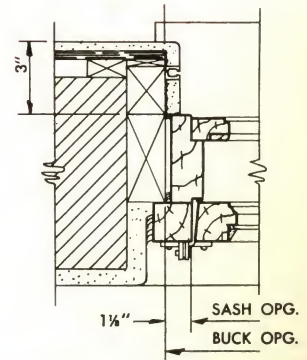
8" BLOCK



1 1/2" SASH OPG.
STUD OPG.

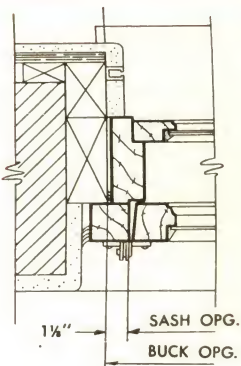


1 1/2" SASH OPG.
BUCK OPG.

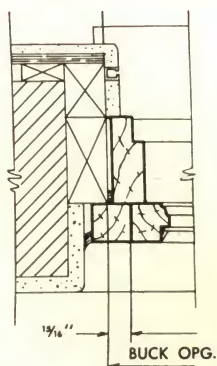


1 1/2" SASH OPG.
BUCK OPG.

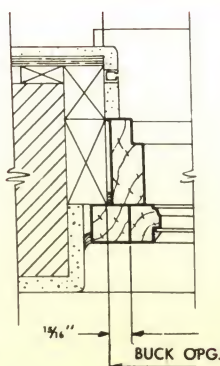
STORM SASH, FIXED SASH and SIDE LIGHTS



OPERATING UNIT
AND STORM SASH

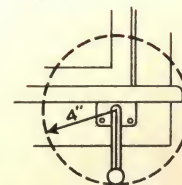


FIXED SASH

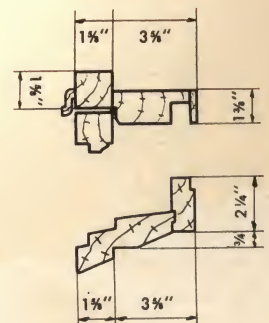


SIDE LIGHTS

CRANK SWING
DIMENSION

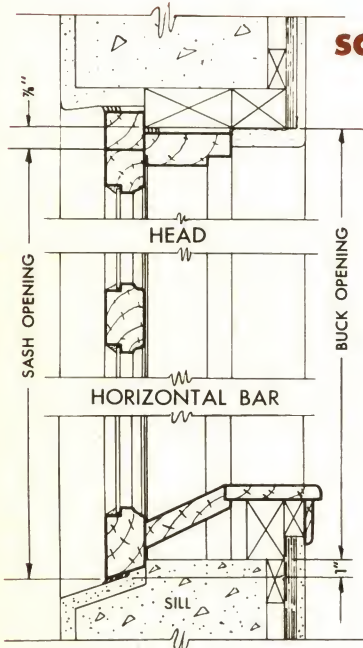


JAMB WIDTH
DIMENSIONS



VERTICAL SECTIONS—Other than Standard Operating Unit

SCALE 3"=1'0"



FIXED SASH AND SIDE LIGHTS

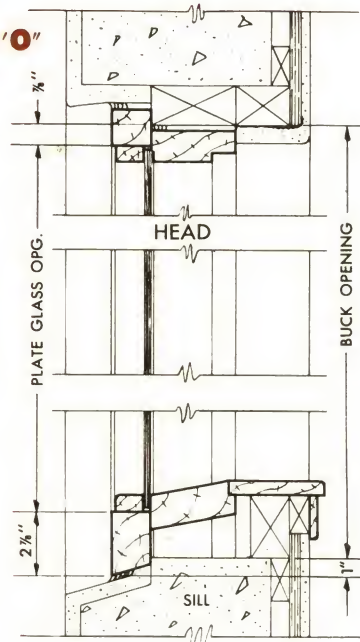
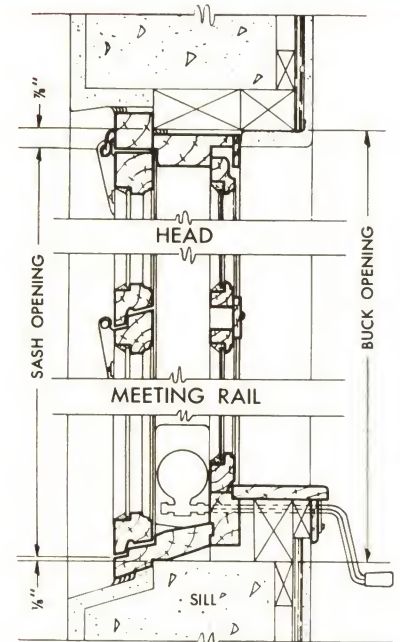
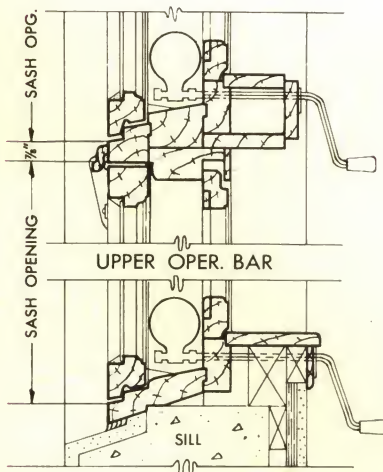


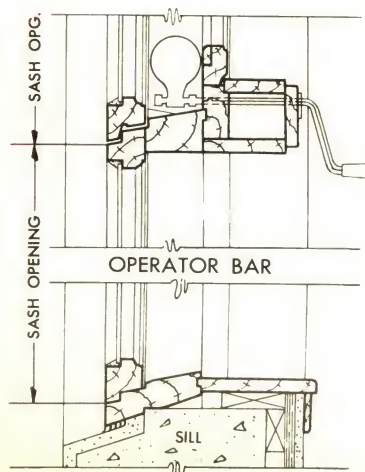
PLATE GLASS OPENING



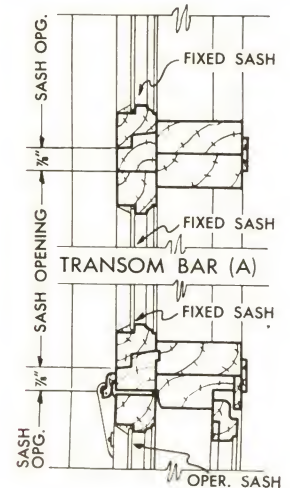
OPERATING UNIT AND STORM SASH



RAISED OPERATOR BAR
ALL VENTS OPERATE

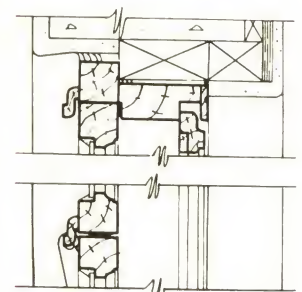
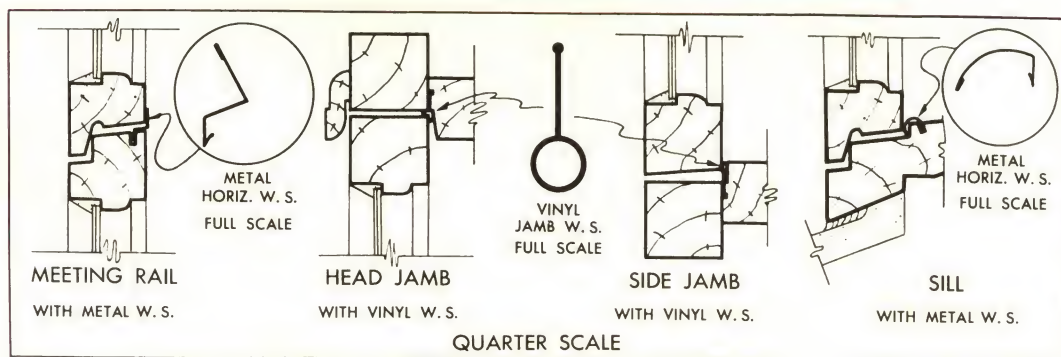


RAISED OPERATOR BAR
BOTTOM VENT FIXED



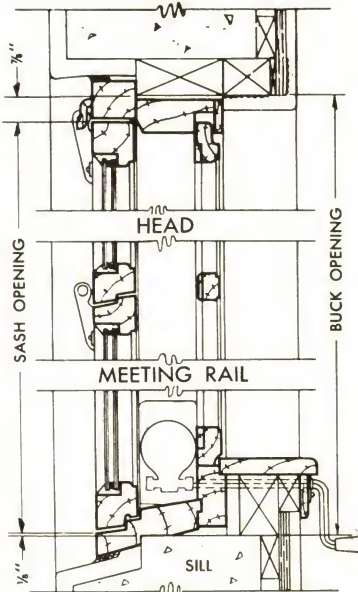
TRANSOM BAR (B)

WEATHERSTRIPPING

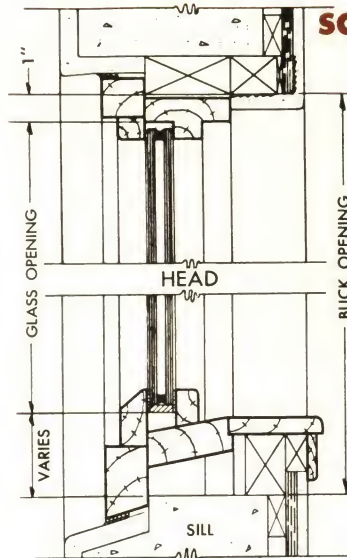


HEAD AND MEETING RAIL
TOP VENT FIXED

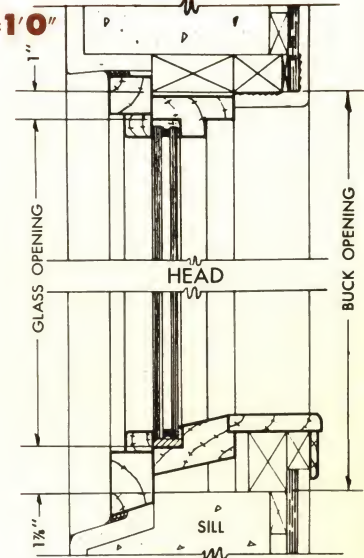
INSULATED GLASS



VERTICAL SECTION
OPERATING UNIT

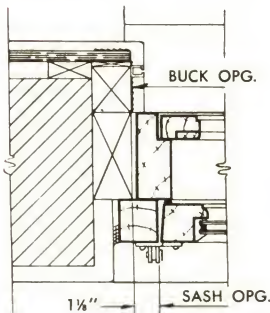


VERTICAL SECTION
PICTURE WINDOW *
3 VENT 14, 16 AND 18 ONLY

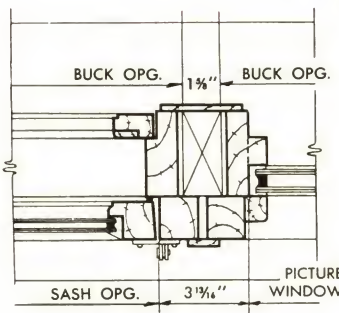


VERTICAL SECTION
PICTURE WINDOW *
4 VENT 16 ONLY

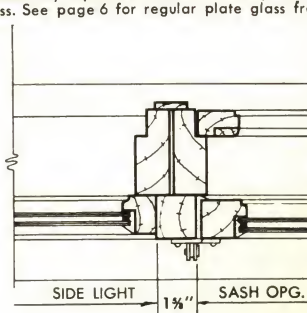
*Applies only to picture window frames especially made for insulated glass. See page 6 for regular plate glass frame details.



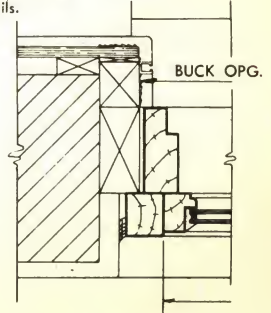
JAMB SECTION
OPERATING UNIT



MULLION BETWEEN
PICTURE WINDOW
AND OPERATING UNIT



MULLION BETWEEN
SIDE LIGHTS
AND OPERATING UNIT



JAMB SECTION
SIDE LIGHTS

Rabbeting for insulated glass is available in operating units, picture window frames, sidelight and fixed units.

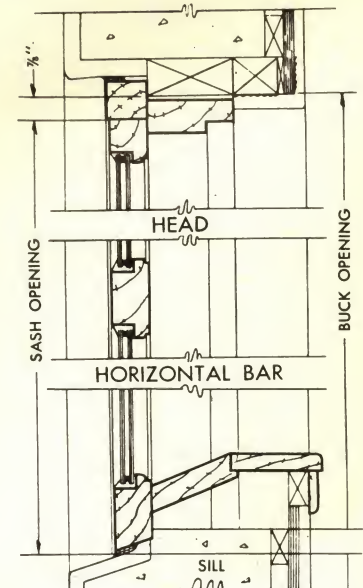
FOR PICTURE WINDOWS, insulated glass can be ordered in special sizes; however, for maximum economy it is advisable to utilize standard Thermopane or Twindow sizes shown below.

BUCK OPENING AND GLASS SIZES FOR PICTURE WINDOWS											
FLANKING WINDOW SIZES				STANDARD GLASS SIZES				PICTURE WINDOW BUCK OPENING SIZES			
3 - VENT	14	72 1/2"	WIDE X 46"	HIGH	75 1/4"	WIDE X 51"	HIGH				
3 - "	14	64 1/2"	" " 46"	"	67 1/4"	" " 51"	"				
3 - "	14	48 1/2"	" " 46"	"	51 1/4"	" " 51"	"				
3 - VENT	16	70 1/4"	WIDE X 52 1/2"	HIGH	72 3/4"	WIDE X 57"	HIGH				
3 - "	16	58 1/4"	" " 52 1/2"	"	60 3/4"	" " 57"	"				
3 - "	16	46 1/4"	" " 52 1/2"	"	48 3/4"	" " 57"	"				
3 - VENT	18	116 1/2"	WIDE X 58"	HIGH	119 1/4"	WIDE X 63"	HIGH				
3 - "	18	96 1/2"	" " 58"	"	99 1/4"	" " 63"	"				
3 - "	18	80 1/2"	" " 58"	"	83 1/4"	" " 63"	"				
3 - "	18	72 1/2"	" " 58"	"	75 1/4"	" " 63"	"				
3 - "	18	64 1/2"	" " 58"	"	67 1/4"	" " 63"	"				
4 - VENT	16	60"	WIDE X 72"	HIGH	62 1/4"	WIDE X 75 3/4"	HIGH				
4 - "	16	48"	" " 72"	"	50 3/4"	" " 75 3/4"	"				
4 - "	16	42"	" " 72"	"	44 3/4"	" " 75 3/4"	"				

Glass Opening must be 1/2" wider and higher than above Insulated glass sizes.

FOR AWNING WINDOW UNITS, standard Thermopane sizes are available for the following sash sizes: 20 x 16, 32 x 16, 44 x 16, 32 x 18 and 44 x 18.

Write for information on REMOVABLE DOUBLE GLAZING.



VERTICAL SECTION
SIDE LIGHTS
ALSO FIXED SASH

SCHEDULE OF STANDARD SIZES AND TYPES

Size designations indicate in order: Number of vents, Exact width of glass, and Exact height of glass.

BUCK (OR STUD) OPENING WIDTHS							
1'-9½"	2'-1½"	3'-1½"	3'-9½"	4'-1½"	6'-4⅝"	7'-4⅝"	
							1'- 6¼" 1'- 8¼" 1'-10¼"
1-16-14 1-16-16 1-16-18	1-20-14 1-20-16 1-20-18	1-32-14 1-32-16 1-32-18	1-40-14 1-40-16 1-40-18	1-44-14 1-44-16 1-44-18	1-32-14 S. L. 1-32-16 S. L. 1-32-18 S. L.	1-44-14 S. L. 1-44-16 S. L. 1-44-18 S. L.	
							
2-16-14 2-16-16 2-16-18	2-20-14 2-20-16 2-20-18	2-32-14 2-32-16 2-32-18	2-40-14 2-40-16 2-40-18	2-44-14 2-44-16 2-44-18	2-32-14 S. L. 2-32-16 S. L. 2-32-18 S. L.	2-44-14 S. L. 2-44-16 S. L. 2-44-18 S. L.	2'-10⅝" 3'- 2⅝" 3'- 6⅝"
							4'- 3" 4'- 9" 5'- 3"
3-16-14 3-16-16 3-16-18	3-20-14 3-20-16 3-20-18	3-32-14 3-32-16 3-32-18	3-40-14 3-40-16 3-40-18	3-44-14 3-44-16 3-44-18	3-32-14 S. L. 3-32-16 S. L. 3-32-18 S. L.	3-44-14 S. L. 3-44-16 S. L. 3-44-18 S. L.	
							
4-16-14 4-16-16 4-16-18	4-20-14 4-20-16 4-20-18	4-32-14 4-32-16 4-32-18	4-40-14 4-40-16 4-40-18	4-44-14 4-44-16 4-44-18	4-32-14 S. L. 4-32-16 S. L. 4-32-18 S. L.	4-44-14 S. L. 4-44-16 S. L. 4-44-18 S. L.	5'- 7⅞" 6'- 3⅝" 6'-11⅜"
							6'-11⅜" 7'- 9¾" 8'- 7¾"
5-16-14 5-16-16 5-16-18	5-20-14 5-20-16 5-20-18	5-32-14 5-32-16 5-32-18	5-40-14 5-40-16 TVF 5-40-18 TVF	5-44-14 5-44-16 TVF 5-44-18 TVF	5-32-14 S. L. 5-32-16 S. L. 5-32-18 S. L.	5-44-14 S. L. 5-44-16 S. L. TVF 5-44-18 S. L. TVF	

For sidelights on 3'-9½" units, add 3'-3⅝" to inside buck dimensions.
For multiple openings, add inside buck openings plus 1⅝" for each mullion.

Top vent fixed in openings that are five vents high by 3'-9½" wide or over.

Sidelights are furnished separately for convenient handling.

ENGINEERING SERVICE

Our engineering department will welcome any opportunity to assist you with difficult window problems and details for special conditions. Full scale window details available on request.

GATE CITY SASH & DOOR CO., BOX 901, FORT LAUDERDALE, FLORIDA — Patent No. 2,442,363

FOR ADDITIONAL INFORMATION WRITE, WIRE OR TELEPHONE

GATE CITY SASH & DOOR COMPANY

BOX 901 — FORT LAUDERDALE, FLORIDA